

JOB NO.: IGS08-14 W.O. # 03-85212

TITLE: Stationary Vacuum Line in Mill Bays

DESCRIPTION: Install permanent 8-inch and 6-inch piping along the walls near the coal pulverizers in Units 1 & 2.

JUSTIFICATION: ECONOMIC

PAYBACK PERIOD: 5.9 years

BENEFIT/COST RATIO: 2.53

ECONOMIC LIFE: 20 years

PV SAVINGS: \$100,644

SALVAGE VALUE: \$0

ADDITIONAL DETAIL: The piping for the vacuum lines will be A106 grade B, schedule 40. The piping will be butt welded to reduce losses in the lines. The permanent vacuum lines will be painted to IPSC paint specification.

COST ESTIMATE:

Engineering Labor	\$ 2,000
Installation Labor	\$ 40,000
Material	<u>\$ 25,000</u>
Job Total	\$ 67,000

ALTERNATIVES: Continue taking time to unroll and move coils of hose into position, and remove them when finished. Continue to replace the longer required lengths of hose as they wear out.

EFFECT OF DEFERRAL: Higher labor costs to clean area around coal pulverizers, higher equipment cost to replace hose as it wears out.

LADWP REQUIRED SUPPORT: None

PROJECT HISTORY: Currently the area around the coal pulverizers requires coils of hose to be set up between the vacuum truck and the area that needs to be cleaned, sometimes requiring lengths of hose over 100 feet. Installation of a permanent vacuum line would greatly reduce the length of hose required to reach these areas, which would reduce the amount of time required for set-up and removal of the hose, and the amount of hose that wears out during use.